



Project Proposal  
CSE 215L  
Programming Language II Lab  
Section 16

Fall 2020  
North South University

Submitted To:  
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**Project Name: SBC GYM Members Management System (Club Members Management)****Introduction:**

This project is basically a common management system. Nowadays number of people working out in gym increasing rapidly that's why it is better to use management system software for every gym. So by through this project I am try to solve this issue. This project is designed to manage the members of gym. This management system would take information from users and It can able to save data to a file and read from it.

**Features:****This Management System**

- Can see the list of registered members
- Can add, edit or remove members
- Can edit Membership Plan
- Can save registers members data to a file
- Can read registered members save data

**>>Member Panel<<**

- Members can fill user info form with all his information's.
- Members can enroll a membership plan.
- Members can choose starting date.
- Members can book workout class schedule

**Technologies:**

- GUI (Swing)
- Object and Classes
- Loops
- Java Data Structures (Arrays / Array List )
- Methods
- Inheritance
- Polymorphism
- File IO
- Exception Handling

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**Proposed Timeline:**

<b>Date</b>	<b>Update Topic</b>
January 01, 2020	Finalize UML Class Diagram
January 03, 2020	Implement the classes from UML
January 07, 2020	Implement Exception Handling and File I/O
January 12, 2020	Implement GUI and connect the pipeline together